



MARCHANT®

COGITO 1016PR

PROGRAMMABLE ELECTRONIC PRINTING CALCULATOR

The Cogito 1016PR is a programable electronic calculator with printed output, core memory, decision making ability, the speed to run through hundreds of calculations in a few seconds and 100 programming steps!

External storage on magnetic tape cartridges is provided by the IOTA-1, the optional Input-Output Tape Accessory Unit. The IOTA-1 enables the operator to store frequently needed programs for later use, to develop a 1016PR library of programs, to correct errors in program instructions, and to run programs which are greater than 100 steps.

Programming the 1016PR is easier because no special language is used. Program steps are instructions such as $+$, $-$, \times , $=$, \div etc.

The 1016PR is masterfully designed, in the Marchant tradition, with the operator in mind. It is as logical and easy to use as a simple manual calculator. This unique combination of programming power and simplicity means that the 1016PR can be put to productive use as a simple manual calculator as well as a mini-computer.

The Cogito 1016PR employs the famous "Marchant Principle," as do all Marchant printers. This means that:

1. There are many separate machines under one cover.
 - A. an adding machine
 - B. six working accumulator registers
 - C. a multiplying and dividing machine with square root
2. The last figure printed on the tape is automatically back in the keyboard just as though the operator entered it there manually. This automatic keyboard transfer of the last figure printed eliminates the need to re-enter figures, saving time and preventing errors in re-entry.

The factors and answers in all problems print decimally correct. Decimal wheel settings are at 2,4,6,8,10, and 12 places. Rounding is optional. The 1016PR maintains the algebraically correct sign of a number throughout all mathematical operations. The Sign Key may be used to change the sign of a number at any time from negative to positive or positive to negative. Numeric entry capacity is 14 digits. Calculating capacity is 16 digits.

The 1016PR circuitry is solid state integrated. It weighs only 35 pounds, is 19" long, 15" wide and 9" high.

Key Features

Core Memory

The 1016PR may be turned off without losing the program

Decision Making Ability

The 1016PR can be programmed to create loops in a program and to make decisions to perform different calculations: if x is greater than y, if x is equal to y, if x is less than y.

Speed

Calculating speed: Addition and subtraction: 1.24 milliseconds. Multiplication: 215 milliseconds. Division: 215-365 milliseconds.

Printing speed: 15 characters a second.

External Storage

On magnetic tape cartridges—OPTIONAL

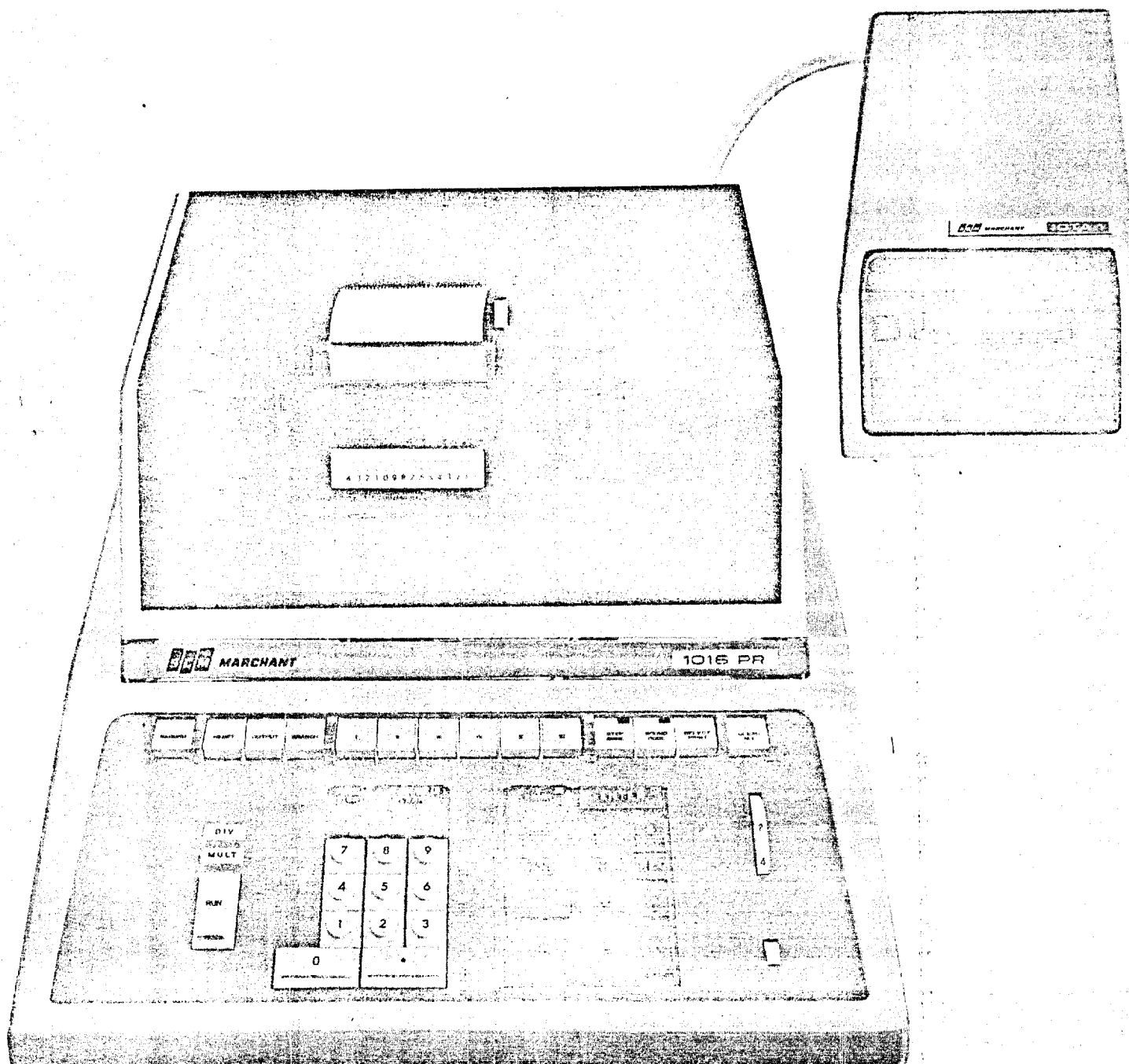
One IOTA may be shared by many 1016PR units

Excellent Debugging Facilities

Errors in program instructions are easily discovered and corrected saving the operator many tedious hours of work. The operator not only can see a print-out of his program, but can see a print-out of his answer being calculated in the program run.

Working Accumulator Registers

The 1016PR has 6 working accumulator registers which can be used as automatic accumulators for positive or negative products and quotients, memories for constants, or as direct adding machines—giving the 1016 SEVEN adding machines in all!



CONTRACT NO. GS-OOS-79033

	Model	Quantity	Commercial Price	Government Discount	Net Government Price
Item No. 50-274-7	1016PR	1-up	\$2495.00	5%	\$2370.25
MOL \$75,000					
Item No. 50-382	Iota	1-up	\$ 465.00	5%	\$ 441.75

Delivery: 1-180 days—48 contiguous states, District of Columbia and Hawaii.

Sample program